ABSTRACT OF THE DISCLOSURE

A tunneling scheme includes the creation of tunnels having a source address and potentially multiple destination addresses. Each tunnel endpoint is divided into two sub-endpoints, where one sub-endpoint has a public network address and the other sub-endpoint has a private network address. Also included in the tunneling scheme is a static Address Resolution Protocol (ARP) table. The static ARP table contains information on virtual private network membership. More particularly, the static ARP table provides address resolution between public network addresses and private network addresses.